1360 1440 1520 1600 1680 1760 1840 1200 1280 1120 1040 960 880 720 800 400 480 560 640 TOSTITOSOCT CGITAGACTICC TICIPAGENIC AITROCAACC CIGICACCGG CAAGGACAIT IGGIRCIPAIG AGAICGAGAI CAAGCCAITIT CCIPGIGGCI CCITICCIACA GCAGGCGATG STCACCICCA TACAACTIGC TITTACAGGIG ACACACCIGT COCACCIGIT TICCCICCAT AACTAACTICT CIPACGAAGCA ACTICGGCCCC CCACCTIGGG ACTIGITAGITTA TICTHOCAGA CICAGGICAG CICCIPAGOGG CIPATCACAGC ICAGGATTAT CITACAGCIT AGCCIGAGCA CATICACAGA ACICTICOCT ICITITICGIC GOAGCOTOGG GECTOCIFIC TECHGIOCIC GECATOCOGA TECHCAGES TESTERACTIR CTOCRAGES COCCERCTIC CRISCATINGS ACRIGICACT TOCRIGGAAC OCTIONNOCO CAGITITAGO COCATOAGOS CHOTOAAATO CACITIOGATA ATOCITAGOOT AGRIGOTACTO GOCACITIIG GICACATIGC CITIGGITYCT CCIRCCICGI ICICTICCOSC AICAAGCCIC CATTIGGOCOG GACCACITITG AGOGGCAAG CACCITICGOG COCAAGGAGT TGATAACACC TOCTIGGRAGA CAGCCGICIT GAAITCGITCTC CCAPAPACCT CCTTCCCCAA CCCCCCCCAC CTATCAAGTG ACCCATATAG CATCCATGTC GCAAGGCCCAA GIGGICIGIT CACGAGGITA CCATCCAACT CICTICITIIC THESTCACTE ACAICGGCGA TCAGGCACCC ICIGCAIGCA GAAIRGAACC CCCIGGIFIT CCITITIGITT CITITICCITI CTOSTOGGOT ACCATOGCAT GAGOCOTOGT COTACITICA ATGITICOCAG AGGAACAGAG. CCATCCCCTC CCCCTTTCCA GATTACTACT TICCCAACTA CCAATCCGCC CGCCTTCTGT AACTICCTIT TCTCGGICIT CIGACCCTIT CAGATITIACC OCCOMATGAT GENGTITINGS TOTALITICIC ALGAICACCT CACATICACT AGAICACGGA OCCUPATION TOTAL PARTIES TOCCIPATIFF GOSCIPATOR INTOCOSIRG GETGRAGTCA CACAGOCCIG ACAGOCICAC TGGCIGGGGG TOCAAAGGCC AGICAATATIC AIGAAGGIAT GCIACGAGCC TITIAICITIC TIGGCIACCT TIGGCIAACC. CIRCATIFAIC AACCACCAGG CICAGGAIGC COTCAGATICT ATPAAGGTICT COCAATICCTIC TICATICCCCA AGICAACACT CAGGICTICG CICACICCCT COCTOCCAAT TOCACCIGIC AAGCAGOOCA AGAIGIAIGI CITICATITIT COSTICCATICT GCACCOCTICC CAGAAACCIT GIGGIPATIB AICAIIGIIB CCTTCCCTGG CCAGTACAAG CAATGCCACC GTGCAGAACT TACTITIGGIC AGACTIGGGGC CITIGIOCCIG GCTTCTTTCT GITTAACTTICA GCTGAAGCAT GCAACTIGGCA TCAGITIGCT CONCACCONTIC CCTCCTCATG GACCACCACCT GCCAGACCAG GOCTICOCATIG TCAACAACAA TCAAGTCATG ATTICAGGCTG **AAAGTOCACA** TCACTTCGTA ACAGITIAGGG CITICCIPACCE CCACGCTTTC GGITCAICAA CAACATIGTICA TGAGAATGCC GACTRATIGTA CAGCAAAGGG CCCTGCCACT CAAGICCCGI AATATGCTGT CAGCCACCC TATAGGAATG TITICATAGOC TICAATAGIT CITICACCIT GGCTPACAACT TOCACACCAG ACCACTOCCA ATIGITATIOCOC CICAACCACC CCAATCATGA INTECCCGAC CONTINUENA CIGOCIPAGO CIPATRGITC

FIG._1A

	GCAAGTACCG 2080	GICAGAATIC 2160	TGITTGCCGAG 2240	TAGACTTCAC 2320	TACGCTCGCA 2400	CCGTGACGTT 2480	TCATCAACCA 2560	TCGAGAACT 2640	COTCCCAG 2720	CCCACTA 2800	TATTCAACG 2880	CGITICCTIPAC 2960					CIIGIICAAA 3260			CATOCICIC 3520	TIMEGITICCA 3600	GSTCAAT 3677	
CIRTRACOCC GATOSIRCCC TOCGITICGAC CGAGGGTGAG	GICCAGCCC	TCAGGACCAG CICICCCAAC G		CIPACACTIG	CCAGCATCAG	CCTCCACTCT	GGACACTEACC	COCCABOTICS GCACOSTICA GSICTIGGGAG CTCCACAACT	THE ACTION TO A LOCATED ATTOCATED GAACTEGIES TOSTOSCOAS	AGACC CTGACCATCG AGGCCCACTA	CHILDRICA AGGATAACCA CATCATOGCT GIATTCAACC	CILITIES ANTERPOLITIES AGTISSIBLE O			ACCC GASCACAGO CICLACAGO	GCIGICLACT COMMISSION COMMIS	CIMITOGALI	AACIAIIGIG	TICCIPAGGAC INCAGGAICA G	ATOCATICACA COCAATICATT TGATOCTICTIC	GCCICCCICA	AACTICACCIIG	
A CTATABACGCC GATGGT	ACCATGGCC	CICIACCICG	CCCCTICAG		I GAGACCAACG AIGICGGCGA	CHRECACTIGT TICAGGACAAC AGCCAGGTCC		S COCCADETICE GCACK	T TICACTTICAAG ATICCTIC	T GETTERSCAG GGGTGAGACC			-			TCTTCCCTAC	TCATTACCGC	TAGGGCTATIC	GGTATATCTT	AAGGTTGAGA	A-2177TP#TE-ETP		VI CALCLAIME IGNII
TATION COCCAACILA						-	_						PATATOTIC AGGAGGIT	SCOCTOGA AACTICICO	REAGRICOT GGAGGATOT	MOTIGGIG CGIMITICITI	PATRATICCA CICACCACT	CATAGICAA GAAACGCCCA	TATTACACA CAGINAAIIAC				ATGGGTGTT GGGACCAAAT
	Alesteral Certainer circuit			CITICARD CALIGOCICI CAROCICAL CAMPACARO CAMPAC			CICICEMENT CHICAGOITC CICCICECT	CCITICCIC CICALABLA ASSOCICACO	Tellestill scenario	CCICIGARIS CIGARACTAL COURTERING	GICAIGCCI ACGAGICIAC IGGICITARS CATGICGGGGG	CCAACCCTGG ACTGGAGCTT ACATGTGGGAA	TCACCGCCAT GGAGGAGAAG GGATATCL'IC	AACCECAACE ACTICCATEC TCGCCTCCA AACTICICCS	GEAGCOGIAC AACCOCCICG AIGAGAICCT GCAGGAICTT	GITTICAGIC TIPAGACGAG GCICITIGGIG	GCACCATICAC AAAGCAACGT ATATATTIGGA CTCACCACTG	CATAGICA CONTACTOR	CITIEST COMMENTER TOPHCACACA	Coloradiae Algination	ACATTACATC COTCLAAIGI TIGICCAICA CABLCATCA	ACCICCIPATY ACCOMIGINA GACAAGILIAG	THE ANALOG TICAGGAACT CATGGGTGTT

																	3	/ :	12																		
8	160	240	320	400	480	260	640	720	800	880	960	1040	1120	1200	1280	1360	1440	1520	1600	1680	1760	1840	1920	2000	2080	2160	2240	2320	40	2480	2560	2640	72	2800	2880		
TCAGCTTTTG	TTTCAATTGC	AAGGCTGCCT	TCCTCTCATT	TTCTTAGAAT	TCAAACCCTT	ACGATCATAG	CGGCTCCCCC	GTGATTCTAC	CCAGATTTTT	TAAGCTAACA	ATGCTCTCGG	ACTCTTAAGA	AAATGTTGAG	AAGACAACAC	GATATGTATG	CAACTTCGCA	GCCAAACAGT	CATCACTTCC	TGCCAAGGTA	ACCTAGTAGA	AAGGACGTCG	CCACTGCCAC	ACGAGACGAC	TCGGGTATCT	AGTTACAGCC	TCCCCGGTTA	ATTGTAGATG	ATACTGTCTA	_	_	•	_	AAAGCAGTCC	TGCGAACCCA	GGGTTTTCTG		
AATCCCATCA	CTTCAACTCG	CGACGAAGAA	GCCCGGAGTA	ATCGACAGGT	GAGATTGTCA	CCCAGGTCCT	TCCATCTCCA	ACGATAGCGT	AACCAAGCTG	ACGGAAGGAT	CCGGCTGAGG	CGCCGATGGA	GGCCATTCTT	TTCGTCAAGC	TCAAACCTCA	TGGATCTGCG	CACGTCAGCA	CGACATAGAC	_	ATCCACGTCC	_	TCTACATGTT			-	GCTGGCCCTA	ATTGAACTTA	-	_	TGATGTTAGA	GAATGTGAAC	GTACGCATAT	_	_	_		
サスタンタクリーシャ	CTTCTCAGCA	ACAACACCCC	GACTGGCAAA	GTTCAATCGC	ATGGTACTAC	ACGCCATCTC	GAAAGCTCCA	ATACAAAGGT	CTACCCGAAC	TGGTAGTGAA	GATCACAGAC	AGTACTACAA	GGTCAGCCCT	TGCCCTTTAC	CACACCCGGT	GGCCAAACGT	CATGCGTTTC	CGGACAAAAC	GACGTCGAGA	GTCACACCCC	CCTATGAGGC	TGGGACGGAG	ACTCCAGAAC					-	CTGCTGAGGT		_		• -				
しませんがあることを	TODATAGOOT	AAATTTCCG	CATCTCAAA	ACT SCHOOL	TAPAGGAGAT	GTAGGCTATG	しきこれでしたさい	TGAAGGGGA	CAGACTACTA	CGACTTTTCA	GCGCCTACCT	CTCAGTTCCA	CCATGTCAAC	CTAGGAACTT	GGGCTACTCA	GCCCTATGCC	CTGACAAGGT	CAGTTCCCCG	CGGGTTTGCA	PLOSSOSSO	GGCGTCATGC	TTACGCCCA	ACTOACTAN	世 こうこう こうごう	りついてはいました	ACGAGTGCGA	AACTTCTCCT	TGGCCATTTT	TCTTGTGGAG		_						i
5 K	ATATAAGAG	していているようなな	なるとしまでませてまる	なるとしてなりでする	ななりなりまでました	ではいいいできること	ないとなるないのは、	GATATGATCA	ACTTTCTTCT	AAGTCTTTAC	GGGCAAGCCG	TCCGCTGGTC	GCGACATCAT	GCGGCTGTTT	CTCTGATGCA	TCGATTTCGC	TACGCAAACA	クサインサンサンサイ	TCDACCAT	上したないなながなった。	しかしましていませる	としている なかいよ	でというできない。	のいませいがありまり	しつびかかさくせん	けいないしているなべ	THEGTEGIGG	CTCGACGCTT	TTGGTCGGAG	ではいいできませること			ACTITATION		ACTATGIATO	GCT.AAGGACG	
	GAATCATGAG	SENT TITLES	CITICAGCGA	GACCCIGCGG	いるなどなどにいい	ししていている	うつうのできている	するのかいこうごうかる	TACTAACAGG	上されたされないさん	TGCCTATTC	AATACGACAT	AGTGTTTGGG	ATTCCTCAAC	いりはいるいようだな	CAGATTGTGT	しながしながしながら	上してなりでなったり	なしせんせせんだった	いつつつのできることが	なかしなかしかかって	せりかりりりつな	のはいいこのかりは、	AGACATGATG	ATCCTCGCTG	SKIDA KOD KO	のようとなるないよう	Temphin Total	いまびまるようかく		GICIATILE	GAGATGGATC	_	_	_		GATCC
:	GGATCCACCT	GCTCATCAAA	TACGGYGTCG	TGTTGAAGAT	CACTGCCCAT	TCCACAGIAA	GICIAICCAA	AACAGAAGCI CmmmmgaCGG	なり上を止し止して	なかしむかなしかなど	A A A S A S S S S S S S S S S S S S S S	ママピピンマールごご	DA A DA DA A DA	ひしましたさしまる	していまりませていませて	いるようさいなるだな	していることである		しているとのできることに	TACCARCAGO	このできないできること	こうちくないもつにち	CCGTCACGAG	ACGAAGACCA	GATCCTGAGG	ATCCATCAGG	AGTACTACAA	まなりょうよりもく や		GTATACGAGC	CGTAACTCTC	GAAGCAATCT	TCATAACATG	CGCGACAACG	CCATGCTCAT	ATCACGACAG	AGATGAGGTG
	GTGGCGTCGG	AACATTCTCA	GPAAGGCATA	TGGCGTCAAT	TTTCGCCAAC	ATACTCACCA	CACCCAGCAG	TGCCGAGAGG	というでは、	ななりりなってなつり	なぜなしざまざまでも	なりませんしていること	ででは上げ上げました	かられるようようご	ではいることが	りのはようなうつのは、	つのつうのなつのでは、	AAGGCCAA1G	CGTCGATAAC	GTTTCCATCG	CCGCGCGGTA	CTTCCGAGTC	TGTGGCTCGG	AACCTCATCC	TGATTTCCAC	TTTCAGAAGA	TCGCTCGAGC	TCGTAGGTTT	ATGGATACAC	TTTCTCTTTC	TAGCAGTTTT	GACGAACGAT	TATGAAATGC	AGACAAGAGA	TCCACGCGCT	TTGAATGGGC	CATCCCAGCA

FIG. 2

MVAKYLFSAL	QLVSIAKGIY	GVALSERPAK	FVDNTPDEEK	AALASIVEDD	50
PADVVNMLKD	WQSPEYPLIF	RQPLPIPPAK	EPNKLTNPVT	NKEIWYYEIV	100
IKPFTQQVYP	SLRPARLVGY	DGISPGPTII	VPRGTEAVVR	FINQGDRESS	150
IHLHGSPSRA	PFDGWADDMI	MKGEYKDYYY	PNNQAARFLW	${\bf YHDHAMHVTA}$	200
ENAYFGQAGA	YLITDPAEDA	LGLPSGYGKY	DIPLVLSSKY	YNADGTLKTS	250
VGEDKSVWGD	IIHVNGQPWP	FLNVEPRKYR	LRFLNAAVSR	${\bf NFALYFVKQD}$	300
NTATRLPFQV	IASDAGLLTH	PVQTSDMYVA	AAERYEIVFD	FAPYAGQTLD	350
LRNFAKANGI	GTDDDYANTD	KVMRFHVSSQ	TVVDNSVVPE	QLSQIQFPAD	400
KTDIDHHFRF	HRTNGEWRIN	GIGFADVENR	VLAKVPRGTV	ELWELENSSG	450
GWSHPIHVHL	VDFRVVARYG	DEGTRGVMPY	EAAGLKDVVW	LGRHETVLVE	500
AHYAPWDGVY	MFHCHNLIHE	DQDMMAAFDV	TKLQNFGYNE	TTDFHDPEDP	550
RWSARPFTAG	DLTARSGIFS	EESIRARVNE	LALEQPYSEL	AQVTASLEQY	600
VKTNOKRHDE	CEDMPAGPIP	RYRRFQV			

FIG._3

9 9	N 91	A 180	A 186	F 276	L 281	V 371	н 376	G 466	: G 470	R 558	R 565
MLFKSWOLAAASGLLSGVLGIPMDTGSHPIEAVDPEVKTEVFADSLLAAAGDDDWESPPYNLLYRNALPIPPVKQPKMIITNPVTG		MSPGPTFNVPRGTETVVRFINNATVENSVHLHGSPSRAPFDGWAEDVTFE	: ::::: : :: :: :: :: :: ::::: ::::: ::::	RLLWYHDHAFMKTAENAYFGQAGAYIINDEAEDALGLPSGYGEFDIPLILTAKYYNADGTLRSTEGEDQDLWGDVIHVNGQPWPFLNVQPRKYRF	RELWYHDHAMHVTAENAYFGQAGAYLITDPAEDALGLPSGYGKYDIPLVLSSKYYNADGTLKTSVGEDKSVWGDIIHVNGQPWPFLNVEPRKYRL	RFLINAAVSRAWLLYLVRTSSPNVRIPFQVIASDAGLLQAPVQTSNLYLAVAERYEIIIDFTNFAGQTLDLRNVAETNDVGDEDEYARTLEVMRFV	RFLNAAVSRNFALYFVKQDNTATRLPFQVIASDAGLLTHPVQTSDMYVAAAERYEIVFDFAPYAGQTLDLRNFAKANGIGTDDDYANTDKVMRFH	VSSGTVEDNSOVPSTLRDVPFPPHKEGPADKHFKFERSNGHYLINDVGFADVNERVLAKPELGTVEVWELENSSGGWSHPVHIHLVDFKILKRTG	SSQTVVDNSVVPEQLSQIQFPADKTD-IDHHFRFHRTNGEWRINGIGFADVENRVLAKVPRGTVELWELENSSGGWSHPIHVHLVDFRVVARYG	GRGOVMPYESAGLKDVVWLGRGETLTIEAHYQPWTGAYMWHCHNLIHEDNDMMAVFNVTAMEEKGYLQE-DFEDPMNPKWRAVPYNRNDFHAR	DEGTRGVMPYEAAGLKDVVWLGRHETVLVEAHYAPWDGVYMFHCHNLIHEDQDMMAAFDVTKLQNFGYNETTDFHDPEDPRWSARPFTAGDLTAR

SGIFSEESIRARVNELALEQPYSELAQVTASLEQYYKTNQKRHDECEDMPAGPIPRYRRFQV

AGNF SAESITARVQELAEQEPYNRLDEILEDLGIEE

...

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TENETE IN THE SOM

GICAATATIGCIGTICAAGICATGGGAACTGGGAGCCTCGGGGTCTGGAGTCTTCGGGATCCGGGACAGGGGACACCGGGAACCGGGAACCAGCAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGGAACCAGAACAAC
OCCATICAGOCTIGITICATICCOCAAGTICAAGATCTTGGCTGACTGCTGCTGCTGCAGCCAGGCGACTGGGAGTCACCT 180 PIEAVDPEVFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
CCATACAACTIGCTTTACAGGAATGCCCTGCCAATTCCACCTGTCAAGCCAGCC
ATTIGGIACIPATRAGANCAARCATTITCAGCAAAGGATTITACOCCACCTTGCGCCACTCTCGTCGGCTACGATGGCATG 360 I W Y Y E I E I K P F Q Q R I Y P T L R P A T L V G Y D G M 118
ACCCIGGICCIACITICAAIGITCCCAGAGGAGACAGAGTGIAGITAGATTCATCAACAATGCCACCTGGAGAACTCGGTCCATCTG 450 S P G P T F N V P R G T E T V V R F I N N A T V E N S V H L 148
CACGGCTCCCCCATCGCCTTTCCCATCGCTTCCCTCCCTC
CARICCOCCCOCCTICTIGICATCACCACCOCTTICATCAACTICCTCACAATGCCTACCTTTGCTCAGGCCCTACATTATC 630 Q S A R L L W Y H D H A F M K T A E N A Y F G Q A G A Y I I 208
AACCACCACCACCATGCTCTCCGGTCTTCCTAGGCCAGTTCCATAGCCTCTCATCCTCACCGCCAAGTACTATAACGCC 720 N D E A E D A L G L P S G Y G E F D I P L I L T A K Y Y N A 238
GATIGSTRACCTICCGITCCACCAGGACCAGGACCTGTGGGGACATGTCATCCATGTCAACGGACAGCCATGGCCTTTCCTTAAC 810 D G T L R S T E G E D Q D L W G D V I H V N G Q P W P F L N 268
GICCAGCCCGCAAGTACCGTTTCCCAACCTGCCTGCCTCGTCGCTTGCCTCTACCTCGTCAGGACCAGCTCTCCCAAC 900 V Q P R K Y R F R F L N A A V S R A W L L Y L V R T S S P N 298

FIG._5A

FIG._5E

8/12

1 2 3 4 5 6 7 8 9 10 11 12

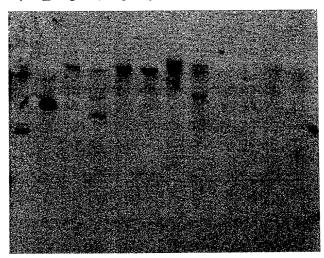


FIG._6



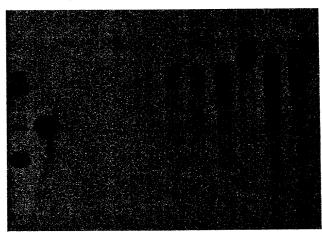


FIG._7

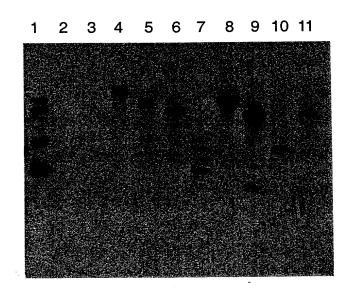


FIG._8

1500 1600 1300 TGTCACAAAC AAGGAGATCT GGTACTACGA GATTGTCATC AAACCCTTTA ACCAACAGGT CTATCCAAGT CTACGTCCTG 400 GCTGCCCTGG CAGCCATCGT TGAAGATGAC CCTGCCGATG TTTTCAGAAT CCTGAAGGAC TGGCAAAGCC CGGAGTATCC 200 AGCTATGGGA ACTCGAGAAC AGCTCCGGCG GCTGGTCGCA CCCCATCCAC GTCCACCTGG TCGACTTCCG AGTCGTCGCA CGCTACGGTG ACGAAAGCAC TGTTCCACTG CCACAACCTG ATCCACGAAG ACCAAGACAT GATGGCCGCG TTTGACGTGA CTAAGCTCCA GAACTTTGGC TACAACGAGA CGACGGATIT CCACGACCCG GAAGATICIC GCTGGICTGC AAGACCCITC ACCGCGGCTG ACTIGACGGC GCGATCGGGT AICTTCTCAG AAGCATCCAT TCGCGGCGTC ATGCCCTACG AGTCCGCCGG TCTCAAGGAC GTCGTGTGGC TCGGCCGCCA CGAGACGGTG CTCGTCGAAG CACACTACGC CCCCTGGGAC GIGAACGAGT IGGCGCIGGA ACAGCCGIAC AGCGAACIGG CACAGGICAC GGCCICGCIC GAGCAGIACT ACAAGACGAA CAAGAAACGC TGGAACTCTC CAGACCAGTG TGGGAGAAGA CAACAGTCTC TGGGGCGACG TCATCCATGT CAACGGTCAG CCCTGGCCAT TCTTCAACGT TGCAGGCCAG ACGATAGATT TGCGTAACTT TGCAAAGGCC AATGGGGTCG GCACCGATGA CGATTATGCA AACACTGACA AGGTCATGCG AGCAGCCAAG CAGTCGTCGA TAACTCGGTG GTACCCGCAC AGCTATCTCA GATCCAGTTC CCCGCCGACA AAACCGGCAT CGACCACCAC TTCCGCTTCC ATCGCACCAA CAGCGAGTGG CGCATCAACG GCATCGGGTT TGCAGACGTC CAGAACCGTA TCCTGGCCAA GGTACCGCGC GGCACTGTCG TCTTATGCAT CAGGGTGCCT CTTTTATACT AACACGACTC GTTCTTAGAC TACTACTACC CGAACAACCA GGCTGCCAGA TTCCTGTGGT ACCACGATCA GCTGGCGCCT ACCTGATCAC AGACCCAGCT GAGGACGCCC TCGGCCTTCC TTCGGGTTAC GGAAAATACG ACATCCCACT GGTGCTCAGT TCCAAGTTCT AAGTATCGCC TTCGATTCCT CAATGCGGCT GTTTCTCGGA ACTTTGCCCT CTATTTCGTC AAGCAACAAG CCACTGCTAC TAGACTTCCT GTATTCGACT CTCGCTTGGT AGGCTATGAT GGCATTTCAC CAGGCCCTAC GATCATCGTG CCGAGAGGAA CAGAAGCCGT TGTACGATTC GTAAACCAGG GTGATCGCGA CATCTICATG GITCICCCIC CCGIGCCCCC TITGACGGAI GGGCTGAAGA TITGATTAIG AAGGGCCAAT ICAAAGGTAC AACAGAACAA ATGGITGCCA AATACCTCTT CTCGGCACTT CAACTCGCTT CAATTGCGAA AGGCATATAC GGCGTTGCTT TGAGCGAGCG TCCTGCCAAA TATATTGACG TGCCCATCCC TCCAGCCAAG GAACCGAAGT AGTGAGTCTT GAATTGCATG GACAGGTTTC CTAGAATATG CTCACCCATC TGCTATGCAT GTTGTAAGTC TTGCAGACTA ATCATGGGAG CGAAACGGAA AGATCGGGCT GACACTTATG CAGACTGCGG AAAATGCCTA TIGCCICIGA IGCAGGGCIA CICACGCACC CGGICCAAAC CICAGAIAIT IACGIGGCAG CAGCAGAGCG CIACGAGAIT CAGGCCGAGT GCGAAGACAT GCCTGCTGGC CCCATTCCCC GTTATCGCAG GTTTCAGGTC TGA AAACCCCCGA CGAAGAAAG CGCGAGGCAC CAGGGCTAGA ACAACAGTGA TGAGCCTCGA TTCCAGGTCA LTGCGCCTTA CGCAGTAAAA

FIG._5

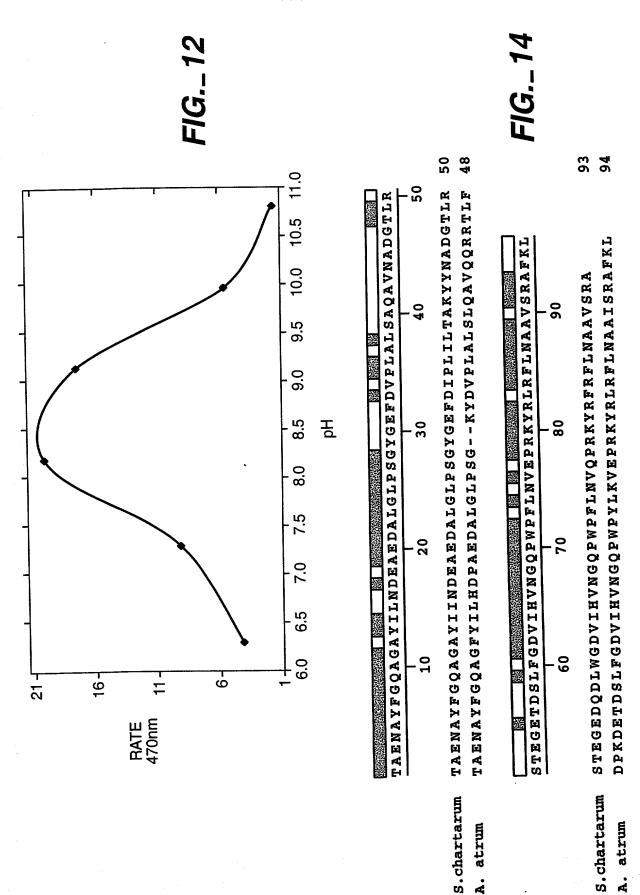
900 IKPFNQQVYP SLRPARLVGY DGISPGPTII VPRGTEAVVR FVNQGDRESS IHLHGSPSRA PFDGWAEDLI MKGQFKDYYY PNNQAARFLW YHDHAMHVTA 200 ATATRLPEQV IASDAGLLTH PVQTSDIYVA AAERYEIVFD FAPYAGQTID LRNFAKANGV GTDDDYANTD KVMRFHVSSQ AVVDNSVVPA QLSQIQFPAD 400 MVAKYLESAL QLASIAKGIY GVALSERPAK YIDETPDEEK AALAAIVEDD PADVFRILKD WQSPEYPILF REALPIPPAK EPNKMTNPVT NKEIWYYEIV 100 ENAYFGQAGA YLITDPAEDA LGLPSGYGKY DIPLVLSSKF YNSDGTLQTS VGEDNSLWGD VIHVNGQPWP FFNVEPRKYR LRFLNAAVSR NFALYFVKQQ HRTNSEWRIN GIGFADVQNR ILAKVPRGTV ELWELENSSG GWSHPIHVHL VDFRVVARYG DESTRGVMPY ESAGLKDVVW LGRHETVLVE AHYAPWDGVY MFHCHNLIHE DQDMMAAFDV TKLQNFGYNE TTDFHDPEDS RWSARPFTAA DLTARSGIFS EASIRARVNE LALEQPYSEL AQVTASLEQY YKTNKKRQAE CEDMPAGPIP RYRRFQV

F/G._10

MVAKYLFSALQLASIAKGIYGVALSERPAKYIDETPDEEKAALAAIVEDDPADVFRILKDWQSPEYPILFREALPIPPAK
PFDGWADDMIMKGEYKDYYYPNNQAARFLWYHDHAMHVTAENAYFGQAGAYLITDPAEDALGLPSGYGKYLLFLVLSSKY YNSDGTLQTSVGEDNSLWGDVIHVNGQPWPFFNVEPRKYRLRFLNAAVSRNFALYFVKQQATATRLPFQVIASDAGLLTH
PVQTSDIYVAAAERYEIVFDFAPYAGQTIDLRNFAKANGVGTDDDYANTDKVMRFHVSSQAVVDNSVVPAQLSQIQFPAD
KTGIDHHFRFHRTNSEWRINGIGFADVQNRILAKVPRGTVELWELENSSGGWSHPIHVHLVDFRVVARYGDESTRGVMPY
ESAGLKDVVWLGRHETVLVEAHYAPWDGVYMFHCHNLIHEDQDMMAAFDVTKLQNFGYNETTDFHDPEDSRWSARPFTAA
DLTARSGIFSEASIRARVNELALEQPYSELAQVTASLEQYYKTNKKRQAECEDMPAGPIPRYRRFQV

FIG._ 1





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836 760 684 532 608 380 456 304 228 CTGGCTAAGCCCCCCAACGTGGCCATCGAGGTTTTGGGAGCTTTGAGAACTTCCAGCGGNGGNTGGTCTTACCCT TGTCCACATCCACCTGGGTCGACTTTCCAGATNCTTGTCTTGCACTGGANGCAAGGCNCCCCGTTNTAACTNCNAN CTATGGCCGAGCGCTGGGAGGTTGTTTTGACTTCAGCCAATTTTCCGGGAAGAACGTCACCTCAAGAACGGTCG CGATGTGCAGCACGATGAGGACTACAACTCCACCGACAAGTCATGCAGTTCGTTGTTGGCAAGGATGTTACGAGC CAGGCTGGTAATGGCAACCTTCCCGGCTCTCTGCGCACTGTTCCCTTCCCTTAAGAAGGGGCGGAGTCGACAGG **AGCTTCAAGTTCGGCAGGGACCGGTGGCCAGTGGACTGTTAATGGCTTGACCTTCGCTGATGTCAACAACCGCATC** GTGATCAACTTTCCTGTCATCGGTGCCGATACTGGTCTCTTGACCAAGCCTGTTCAGACAAGCAACCTTGAGATCT AGGACGAGACCGATTCACTGTTCGGCGATGTCATCCACGTCAACGGACAGCCATGGCCCTACTTTAAGGTCGAGCC TCGCAAGTACCGTCTCCGCTTCCTCAATGCTGCTATCAGCCGTGCCTTCAAGCTCACTTTCGAGGCTGATGGCAAA 딜 > ល ĸ 3 Н ט Ħ U ρι ល 3 ល щ ĸ O Z ĵ. Ö 闰 ď Z Н ĸ Þ 闰 Ŋ H 3 Н Н ď > 4 А Z ט Н Ēυ Ŀ Н 吖 Ø Н А 吆 H K 吆

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CACCGCCGAGAACGCTTACTTTGGTCAAGCTGGCTTTTACATTCTGCACGACCCCGCTGAAGATGCATTGGGTCTG

26